

ATTACHMENT 7

SCHEDULE

The proposed schedule for completing the project “**Napa County Groundwater/Surface Water Monitoring Facilities to Track Resource Interrelationships and Sustainability**” is summarized below in **Table 1**. Proposed work will be ready to proceed when funding is secured, assuming a start date of April 2013. The date of completion is expected to be within 24 months from the start date, namely by April 2015. There are monitoring well construction permits to obtain through the County’s Planning, Building and Environmental Services Department. CEQA coverage is not applicable to the proposed monitoring activities.

As described in Attachment 4, on June 22, 2012, a field trip was conducted, that included County staffs, a representative from Napa County Resource Conservation District (NCRCD), and two geohydrologists from Luhdorff & Scalmanini, Consulting Engineers, to visit the sites and assess their suitability for the proposed monitoring facilities. The monitoring facilities are planned to be installed on public lands and co-located with existing facilities. Since that field trip, County staff has been in contact with landowners and managers and others concerning letters authorizing access to and construction at the proposed monitoring sites (see Att#5_LGA12_NapaCnty_WrkPln_1of2 and Att#4_LGA12_NapaCnty_ProjD_2of3).

Task 1, Detailed Site Investigation to confirm site characteristics and monitoring well design parameters, is expected to be completed within two to three months.

Task 2, Involves the preparation of the monitoring well design and construction specifications, soliciting bids from qualified water well drilling contractors, installing the wells, and procuring and installing groundwater monitoring instrumentation. This task is expected to be completed in about three months.

Task 3, Involves procuring and installing surface water level and quality monitoring instrumentation; this is expected to take about two months.

Task 4, Includes groundwater and surface water data collection, which would begin as soon as Task 3 is completed. This task is ongoing until about the last four months of the total project duration in order to gather at least one year of groundwater and surface water monitoring data (the estimated schedule shows data collection over a 16-month period).

Task 5, Includes data analysis, reporting, and public outreach. Data analysis continues throughout the period of data collection with concentrated efforts occurring prior to final report preparation. The draft and final documentation in Task 5 is expected to be completed by approximately the end of April 2015. The quarterly status reports in Task 5 will be produced at quarterly intervals as required by DWR.

Table 1. Proposed Project Schedule																							
Months (from date contract signed or April 1 2013, whichever is later)																							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24

Task 1 Detailed Site Investigation

Task 1.1 Data Gathering

Task 1.1.a Evaluate well drillers reports and locate wells

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Task 1.1.b Evaluate existing water level and water quality data for the alluvial aquifer system

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Task 1.1.b Collect and evaluate existing surface water level and water quality data

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Task 1.1.c Prepare six site basemaps

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Task 1.2 Physical Hydrogeologic Interpretation and Illustration

Task 1.2.a Prepare site-specific hydrostratigraphic interpretation

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Task 1.2.b Prepare site-specific historic groundwater elevation maps and hydrographs

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Task 1.2.c Summarize water quality data

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Task 2 Monitoring Well Installation

Task 2.1 Monitoring Well Design and Specification

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Task 2.2 Monitoring Well Construction and Development

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Task 2.3 Groundwater Level and Water Quality Monitoring Instrumentation and Installation

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Table 1. Proposed Project Schedule (continued)

Months (from date contract signed or April 1 2013, whichever is later)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
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Task 3 Surface Water Monitoring Station Installation

Task 3.1 Install Surface Water Level and Quality Monitoring Instrumentation

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Task 3.2 Surveying Groundwater and Surface Water Monitoring Sites

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Task 4 Ongoing Water Level and Quality Data Acquisition and Management

Task 4.1 Water Level and Quality Data Acquisition and Instrument Maintenance

Task 4.1.a Water quality sampling (1 event)

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Task 4.1.b Water level and quality instrument download and maintenance (15 events)

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Task 4.2 Management of Project Data

Task 4.2.a Data Quality Control and Napa DMS Update

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Task 4.2.b Establish protocols and data transfer to DWR

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Task 5 Project Data Analysis, Reporting, and Outreach

Task 5.1 Quarterly Status Reports

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Task 5.2 Data Analysis

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Task 5.3 Project Report

Task 5.3.a Draft Project Report and peer review

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Task 5.3.b Final Project Report and submittal of data to DWR

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Task 5.4 Stakeholder and Community Outreach

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Task 5.5 Project Management

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